Applicant: Shunpei Yam
Filed: November 8, 2001

Page: 7

Attorney's

et No.: 12732-081001 / US5299

### **REMARKS**

The amendments to the claims made herein are to correct minor grammatical errors and to place the application in better form for examination. No new matter is added.

Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: November 8, 2001

John F. Hayden Reg. No. 37,640

Fish & Richardson P.C. 601 Thirteenth Street, NW Washington, DC 20005 Telephone: (202) 783-5070

Facsimile: (202) 783-2331

40074105.doc

Page : 8

et No.: 12732-081001 / US5299 Attorney's

## Version with markings to show changes made

### In the specification:

Paragraph beginning at page 5, line 11 has been amended as follows:

$$^{3}M*+ ^{3}O_{2} \rightarrow ^{1}M+O_{2}$$
 [Formura 1] Formula 1

# Paragraph beginning at page 23, line 18 has been amended as follows:

Chemical [Formula] Formula 3

#### In the claims:

Claims 1, 4, 7, 10, 13, 16, 19, 20 and 23 have been amended as follows:

- 1. (Amended) A light emitting device comprising:
- a first insulating layer comprising silicon nitride or silicon oxynitride;
- a second insulating layer comprising silicon oxynitride and located over said first insulating layer;
- a thin film transistor formed between said first insulating layer and said second insulating layer, said thin film transistor having a semiconductor layer comprising silicon, a gate insulating film, and a gate electrode;
- a third insulating layer comprising silicon nitride or silicon oxynitride and located over said second insulating layer;
  - a fourth insulating layer comprising carbon and located over said third insulating layer;

ĻΠ **}**-≟  Applicant: Shunpei Yama Filed

: November 8, 2001

Page : 9

et No.: 12732-081001 / US5299 Attorney's

a light emitting element formed between said third insulating layer and said fourth insulating layer, said light emitting element comprising an anode, an organic compound layer, and a cathode comprising an alkali metal; and

partition layers comprising an insulating material on said third insulating layer, wherein said light emitting element is formed between the partition layers.

## 4. (Amended) A light emitting device comprising:

- a first insulating layer comprising silicon nitride or silicon oxynitride;
- a second insulating layer comprising silicon oxynitride and located over said first insulating layer;
- a thin film transistor formed between said first insulating layer and said second insulating layer, said thin film transistor having a semiconductor layer comprising silicon, a gate insulating film, and a gate electrode;
- a third insulating layer comprising silicon nitride or silicon oxynitride and located over said second insulating layer;
  - a fourth insulating layer comprising carbon and located over said third insulating layer;
- a light emitting element formed between said third insulating layer and said fourth insulating layer, said light emitting element comprising an anode, an organic compound layer, and a cathode comprising an alkali metal; and

partition layers comprising an insulating material on said third insulating layer, wherein:

said light emitting element is formed between the partition layers, and [wherein] said partition layers have a shape in which an upper portion protrudes in a direction parallel to a substrate.

## 7. (Amended) A light emitting device comprising:

- a first insulating layer comprising silicon nitride or silicon oxynitride;
- a second insulating layer comprising silicon oxynitride and located over said first insulating layer;

i d

Applicant: Shunpei Yam Attorney's et No.: 12732-081001 / US5299

Page : 10

: November 8, 2001

Filed

a thin film transistor formed between said first insulating layer and said second insulating layer, said thin film transistor having a semiconductor layer comprising silicon, a gate insulating film, and a gate electrode;

a third insulating layer comprising silicon nitride or silicon oxynitride <u>and located</u> over said second insulating layer;

a fourth insulating layer comprising carbon and located over said third insulating layer;

a light emitting element formed between said third insulating layer and said fourth insulating layer, said light emitting element comprising an anode, an organic compound layer, and a cathode comprising an alkali metal; and

partition layers comprising an insulating material <u>and located</u> on said third insulating layer,

wherein:

said light emitting element is formed between the partition layers, and [wherein] said organic compound layer and said cathode [are provided without contacting] do not contact said partition layers.

- 10. (Amended) A light emitting device comprising:
- a first insulating layer comprising silicon nitride or silicon oxynitride;
- a second insulating layer comprising silicon oxynitride <u>and located</u> over said first insulating layer;
- a thin film transistor formed between said first insulating layer and said second insulating layer, said thin film transistor having a semiconductor layer comprising silicon, a gate insulating film, and a gate electrode;
- a third insulating layer comprising silicon nitride or silicon oxynitride <u>and located</u> over <u>said</u> second insulating layer; and
  - a fourth insulating layer comprising carbon and located over said third insulating layer;
- a light emitting element formed between said third insulating layer and said fourth insulating layer, said light emitting element comprising an anode, an organic compound layer, and a cathode comprising an alkali metal; and

ļ٨

Applicant: Shunpei Yam Attorney's et No.: 12732-081001 / US5299

Filed: November 8, 2001

Page : 11

partition layers comprising an insulating material <u>and located</u> on said third insulating layer,

wherein:

said light emitting element is formed between the partition layers,

the partition layers [having] have a shape in which an upper portion protrudes in a direction parallel to a substrate, and

[wherein] said organic compound layer and said cathode [are provided without contacting] do not contact said partition layers.

13. (Amended) A light emitting device comprising:

- a substrate;
- a gate electrode <u>located</u> over said substrate;
- a first insulating layer comprising silicon nitride or silicon oxynitride <u>and located</u> over said gate electrode;
  - a semiconductor film located over said first insulating film;
- a second insulating layer comprising silicon oxynitride <u>and located</u> over said semiconductor film;
- a third insulating layer comprising silicon nitride or silicon oxynitride <u>and located</u> over said second insulating film; and
- a light emitting element <u>located</u> over said third insulating layer, said light emitting element having an anode, an organic compound layer, and a cathode comprising an alkali metal;
- a fourth insulating layer comprising carbon <u>and located</u> over said light emitting element; and
- partition layers comprising an insulating material <u>and located</u> over said third insulating layer,

wherein said light emitting element is formed between the partition layers.

16. (Amended) A light emitting device comprising:

a substrate;

ļΨ

Applicant: Shunpei Yam Attorney's et No.: 12732-081001 / US5299

Filed: November 8, 2001

Page : 12

a first insulating layer comprising a material selected from the group consisting of silicon nitride and silicon oxynitride and located over said substrate;

[a plurality of] thin film transistors formed on said first insulating layer;

a second insulating layer comprising silicon oxynitride <u>and located</u> over said [plurality of] thin film transistors;

a third insulating layer comprising a material selected from the group consisting of silicon nitride and silicon oxynitride and located over said second insulating layer;

[a plurality of] light emitting elements arranged in a matrix over said substrate
[wherein] and operationally connected to said [plurality of] thin film transistors, [are
operationally connected to said plurality of light emitting elements,] each of the light
emitting elements comprising an anode, a cathode comprising an alkali metal, and an organic
compound layer between said anode and said cathode;

[a plurality of] partition layers formed over said third insulating layer and extending in parallel; and

a fourth insulating layer comprising carbon and formed over said [plurality of] light emitting elements [wherein] such that each of said light emitting elements is interposed between said third and fourth insulating layers,

wherein said light emitting elements arranged in a same row or a same column of said matrix are disposed between and along adjacent ones of said [plurality of] partition layers.

- 19. (Amended) A light emitting device according to claim 16, wherein said [plurality of] partition layers are spaced apart from said cathode and said organic compound layer of said light emitting elements.
  - 20. (Amended) A light emitting device comprising:
  - a substrate;
- a first insulating layer comprising a material selected from the group consisting of silicon nitride and silicon oxynitride and located over said substrate;
  - at least one thin film transistor formed on said first insulating layer;

₽₩

Applicant: Shunpei Yama
Filed: November 8, 2001

: 13

Page

Attorney's et No.: 12732-081001 / US5299

a second insulating layer comprising silicon oxynitride <u>and located</u> over said thin film transistor;

a third insulating layer comprising a material selected from the group consisting of silicon nitride and silicon oxynitride and located over said second insulating layer;

at least one light emitting element [wherein] operationally connected to said thin film transistor, [is operationally connected to said light emitting element,] said light emitting element comprising an anode, a cathode comprising an alkali metal and an organic compound layer between said anode and said cathode; [and]

at least first and second partition layers <u>located</u> over said third insulating [layers wherein] <u>layer such that</u> said light emitting element is disposed between said first and second partition layers[,]; <u>and</u>

a fourth insulating layer comprising carbon formed over said light emitting element [wherein] such that the light emitting element is interposed between said third and fourth insulating layers,

wherein a distance between opposed edges of said first and second partition layers at a top portion of said first and second partition layers is smaller than a distance between opposed edges of said first and second partition layers at a bottom portion of said first and second partition layers.

23. (Amended) A light emitting device according to claim 20, wherein said [plurality of] partition layers are spaced apart from said cathode and said organic compound layer of said light emitting elements.